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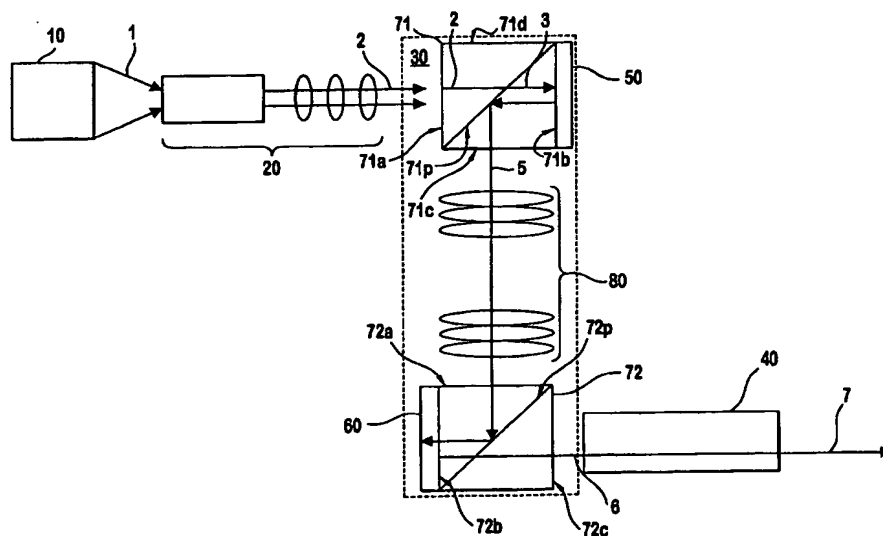
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(54) Title: TWO-STAGE PROJECTION ARCHITECTURE



(57) Abstract: A two-stage light projection system is provided for projecting an image comprising a matrix of light pixels having modulated luminance. A first imager is configured to modulate a light band on a pixel-by-pixel basis proportional to gray scale values provided for each pixel of the image to provide a first output matrix. A second imager is positioned and configured to receive the first output matrix and modulate the individual modulated pixels of light from the first imager on a pixel-by-pixel basis proportional to a second gray scale value provided for each pixel. A relay lens system having a single-gauss lens set and a mirror positioned at the system stop focuses the modulated light output from the first imager on a pixel-by-pixel basis onto the corresponding pixels of the second imager.



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

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# INTERNATIONAL SEARCH REPORT

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PCT/US 03/38011

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 H04N9/31 H04N5/74

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Information on patent family members

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